

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2316	375/343	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L3	197	(coarse adj frequency) and correlat\$3 and accumulat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L4	263	(frequency adj offset) with (component or quadrature or QAM) with filter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L5	35	375/310	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L6	2033	375/344	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L7	454	(dc or frequency) adj (offset) with (filter or filtering) and (WLAN or "802. 11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L8	0	"10/700474"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26

## EAST Search History

L9	2033	375/344	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L10	67	(fir or (finite adj impulse adj response)) with correlat\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L11	1577	(frequency adj offset) with (component or quadrature or QAM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L12	263	(frequency adj offset) with (component or quadrature or QAM) with filter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L13	2	"6930989".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L14	67	(fir or (finite adj impulse adj response)) with correlat\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L15	0	"10/700474"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26

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L16	0	"10700474"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L17	454	(dc or frequency) adj (offset or synchronization) with (filter or filtering) and (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L18	0	(coarse adj frequency) same correlati\$2 same accumulati\$2 same (short adj preamble) same window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L19	0	(coarse adj frequency) with autocorrelati\$2 with accumulati\$2 with (short adj preamble) with window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L20	1577	(frequency adj offset) with (component or quadrature or QAM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L21	448	375/319	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L22	2	"6930989".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26

## EAST Search History

L23	454	(dc or frequency) adj (offset) with (filter or filtering) and (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L24	83	(dc or frequency) adj (offset) with (filter or filtering) same (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L25	83	(dc or frequency) adj (offset) with (filter or filtering) same (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L26	81	(dc or frequency) adj (offset or synchronization) with (WLAN or "802.11")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L27	0	(coarse adj frequency) same correlati\$2 same accumulati\$2 same (short adj preamble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L28	0	coarse adj frequency adj estimation with autocorrelati\$2 withaccumulati\$2 with (short adj preamble) with window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L29	33	(dc or frequency) adj (offset) with (filter or filtering) with (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:41

## EAST Search History

L30	2	"20040196915".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L31	0	"10768073"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L32	448	375/319	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L33	0	"10/768073"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L34	86	(coarse adj frequency) and correlati\$2 and accumulati\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L35	0	"10700474"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L36	0	(coarse adj frequency) same autocorrelati\$2 same accumulati\$2 same (short adj preamble) same window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26

## EAST Search History

L37	81	(dc or frequency) adj (offset or synchronization) with (WLAN or "802.11")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L38	454	(dc or frequency) adj (offset or synchronization) with (filter or filtering) and (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L39	1	"09/352404"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L40	95	(frequency adj offset) with (quadrature or QAM) with filter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L41	0	L40 and L21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L42	51	((fir or (finite adj impulse adj response)) with filter\$3 ) with correlat\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L43	1	L40 and L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26

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L44	1	(coarse adj frequency) same correlati\$2 same accumulati\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L45	1	(frequency adj offset) with (quadrature or QAM) with filter\$3 and WLAN	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L46	1	"10/396118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L47	1	"09/352404"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L48	1	"10/396118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L49	12	L3 and L2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L50	33	(dc or frequency) adj (offset) with (filter or filtering) with (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26

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L51	54	(frequency adj offset) and (quadrature or QAM) and (FIR with filter\$3) and WLAN	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L52	27	(frequency adj offset) and (quadrature or QAM) and (FIR with filter\$3) and WLAN and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L53	6	moose.in. and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L54	4	L3 and L32	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L55	2	"2004196915".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L56	43	((fir or (finite adj impulse adj response)) with filter\$3 ) with correlat\$3 and ("802.11" or wlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L57	20	(frequency adj offset) with (component or quadrature or QAM) with filter\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26



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L58	20	(frequency adj offset) with (component or quadrature or QAM) with filter\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L59	2	"20040005018".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L60	2	(frequency adj offset) with (quadrature or QAM) with filter\$3 with averag\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L61	51	((fir or (finite adj impulse adj response)) with filter\$3 ) with correlat\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L62	15	L3 and L6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L63	2	"7039000".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L64	43	((fir or (finite adj impulse adj response)) with filter\$3 ) with correlat\$3 and ("802.11" or wlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26

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L65	6	moose.in. and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L66	2	"6,633,616".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L67	188	averag\$3 with normaliz\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L68	6	(DC adj offset) WITH OFDM and qam and "802.11a"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L69	12	(DC adj offset) WITH OFDM and qam	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L70	216	accumulator with (FIR adj filter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L71	5	(low adj complexity) same (FIR adj filter) and OFDM	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26

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L72	1	(low adj complexity) with (FIR adj filter) and OFDM	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L73	62	(DC adj offset) WITH OFDM	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L74	25	"929027"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L75	63	(DC adj offset) and OFDM and qam and "802.11a"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L76	24	accumulator same (FIR adj filter) and OFDM	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L77	2	"20050111525".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L78	3	accumulator with (FIR adj filter) and OFDM	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26

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L79	4	averag\$3 with normaliz\$3 and ofdm and (dc adj offset)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L80	10	(low adj complexity) with (FIR adj filter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:26
L81	21	accumulator near (FIR adj filter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:29
L82	2	"7155185".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:29
L83	2	"20050025041".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:34
L84	2	"20060203926".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:36
L85	2	"20030152021".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:37

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L86	2	"20030058975".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:38
L87	2	"20030058966".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:38
L88	17	(dc adj offset) same (filter or filtering) same subcarrier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:45
L90	3	((dc adj offset) same (filter or filtering) same subcarrier).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:45
L91	5	((dc adj offset) and (filter or filtering) and subcarrier).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:47
L92	2	((dc adj offset) and (filter or filtering) and subcarrier and preamble).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 11:46

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Results 1 - 10 of about 841 for "**DC offset**" ofdm "802.11a". (0.35 seconds)

**[PDF] DC offset estimation in OFDM based WLAN application - Global ...**

Abstract - The effect of a **DC offset** on the **OFDM** Wireless LAN ... offset added to the Wireless LAN **802.11a** or 802.11.g signal ...

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**[PDF] A single-chip transceiver for 802.11a and hiperlan2 wireless LANs ...**

as they are both based on **OFDM** (orthogonal frequency. division multiplexing) modulation and .... In order to reduce the **DC offset** produced by the direct ...

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**CommsDesign - Compensation for Mixed-Signal Errors in 802.11a ZIF ...**

Thus, ZIF architectures must provide gain adjustment and **DC offset** correction capabilities to be successful in an **802.11a** design. ...

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**CommsDesign - RF Simulation Improves 802.11a System Performance**

Per the **802.11a OFDM** modulation scheme, the framed WLAN signal is routed through a power amplifier and sent to a receiver. ...

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**DC offset estimation and compensation in OFDM radio receivers by ...**

**DC offset** estimation and compensation in **OFDM** radio receivers by weighted averaging over a ..... 1 shows a burst structure based on IEEE Standard **802.11a/g**; ...

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**Apparatus and method for detecting preambles according to IEEE ...**

The first sub-unit is devoted to detecting **802.11a** preambles while the second sub-unit tackles 802.11b preambles. **DC offset** free baseband I/Q signals are ...

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**Apparatus and methods for eliminating DC offset in a wireless ...**

The present invention relates to direct current (**DC**) **offset** cancellation, ... IEEE **802.11a** standard, uses orthogonal frequency division multiplexing (**OFDM**). ...

[www.patentstorm.us/patents/7155185-description.html](#) - 35k -

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**Flexible Chip Set Arms 802.11a/b/g WLANs**

The RF5421 baseband/MAC IC includes a complete implementation of IEEE **802.11a/b/g** CCK and **OFDM** modems and an ARM9 processor that executes the bulk of the ...

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**[PDF] WB60014a-IEEE802.11a/g DigitalbasebandModem**

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IEEE **802.11 a/g OFDM** standard. In addition, correction. algorithms for compensation of ...  
Tx\_DC\_acc. Tx **DC-offset** accuracy. <1 LSB <2LSB. bits. **802.11a/g**.  
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A **DC offset** loop. operates in conjunction with the base-. band to dynamically correct for ...

An **802.11a/g OFDM** modem. 3. An 802.11b CCK modem. cover story ...

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Tip: Try removing quotes from your search to get more results.

**Systems Using Alternating Or Pulsating Current - Plural Channels ...**

A method and system for estimating **DC offset** and removing the excess **DC offset** from samples used by an overlap-and-add operation at the receiver of **OFDM** ...

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order plan for **802.11a/g** in **OFDM** mode at the (a) lowest and ...  
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Timing and frequency synchronization of **OFDM** signals Issued on: March 24, ... 2, the **DC**  
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...FFT (IFFT), autocorrelation, subcarrier, delay, and so forth. Various...in accordance with the IEEE 802.11a standard. Consequently, each...that deviate from the IEEE 802.11a standard. [0034]FIG. 3 illustrates...packet structure that the IEEE 802.11a standard requires for information...symbol timing adjustment. Since OFDM is extremely sensitive to the...  
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...timing diagram of a circular **filtering** technique which is optimized...in the optimized circular **filtering** methodology. The input of...in the receive path of an **OFDM** receiver employing one or...Filter (FIR) 1032. Low-pass **filtering** is required to greatly attenuate...corrections to the signal, such as **DC offset** removal and frequency correction...

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...FFT (IFFT), autocorrelation, **subcarrier**, delay, and so forth. Various...in accordance with the IEEE **802.11a** standard. Consequently, each...that deviate from the IEEE **802.11a** standard. [0035]FIG. 3 illustrates...packet structure that the IEEE **802.11a** standard requires for information...symbol timing adjustment. Since **OFDM** is extremely sensitive to the...

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**GILBERT, Jeffrey M. / MENG, Teresa H. / THOMSON, John / WANG, Yi-Hsiu (ATHEROS COMMUNICATIONS, INC.), PATENT COOPERATION TREATY APPLICATION**, Apr 2003  
patno:WO03028270

...of multiple modulated **subcarriers** in an t **OFDM** system, I Figure 1b...spectrum t of multiple **subcarriers**; Figure 2 illustrates...structure that the IEEE **802.11a** standard requires...spectrum of received **802.11a** **OFDM** symbols, including carrier...leak, and a receiver's **DC offset**; Figure 10 illustrates...

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**SORRELLS, David F. / BULTMAN, Michael J. / COOK, Robert W. / LOOKE, Richard C. / MOSES, Charley, D., Jr. / RAWLINS, Gregory S. / RAWLINS, Michael W. (Parkervision, Inc.), EUROPEAN PATENT**, May 2002  
patno:EP1206831

...frequency up-conversion, and **filtering**. Also, schemes exist for...chrominance signal onto a **subcarrier**. The document US 5809060...re-radiation that is caused by **DC offset**. The WLAN transmitter includes...unified down-conversion and **filtering** (UDF) module;FIG. 14 illustrates...6) (MAC Interface) (5.0) (**802.11**) (Physical Layer Configurations...unified down-conversion and **filtering**, and combinations and applications...

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**Publication number:** EP1206831

**Publication date:** 2002-05-22

**Inventor:** SORRELLS DAVID F (US); BULTMAN MICHAEL J (US); COOK ROBERT W (US); LOOKE RICHARD C (US); MOSES CHARLEY D JR (US); RAWLINS GREGORY S (US); RAWLINS MICHAEL W (US)

**Applicant:** PARKERVISION INC (US)

**Classification:**

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- **European:** H03C3/40; H03D3/00B

**Application number:** EP20000952520 20000804

**Priority number(s):** WO2000US21359 20000804; US19990147129P 19990804; US20000525615 20000314; US20000526041 20000314

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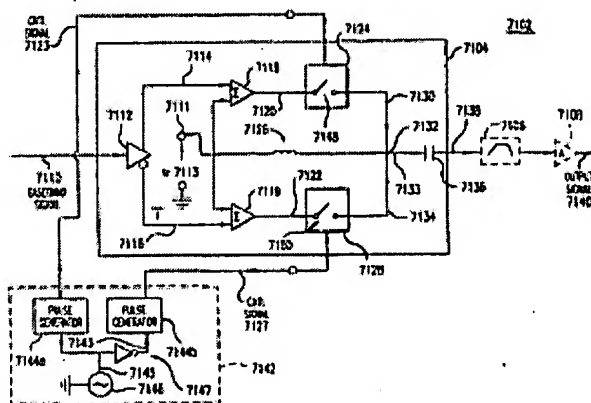
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A transmitter (7102) includes a balanced modulator/up-converter (7104), a control signal generator (7142), an optional filter (7106) and an optional amplifier (7108). Transmitter (7102) up-converts a baseband signal (7110) to produce an output signal (7140) that is conditioned for wireless or wire line transmission. In doing so, the balanced modulator (7104) receives the baseband signal (7110) and samples the baseband signal in a differential and balanced fashion according to the first and second control signals that are phase shifted with respect to each other and so generated a harmonically rich signal (7138). The resulting harmonically rich signal (7138) includes multiple harmonic images that repeat at harmonics of the sampling frequency information to reconstruct the baseband signal.



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## Inventor Information for 10/700474

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KUTAGULLA, HARISH	AUSTIN	TEXAS
ZHOU, XU	SUNNYVALE	CALIFORNIA

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<u>09536528</u>	<u>6661849</u>	150	03/28/2000	MULTIPLE PAYLOAD SLICER SYSTEM WITH PRENORMALIZATION INTEGER VALUES	HWANG, CHIEN-MEEN



<u>09755857</u>	Not Issued	161	01/05/2001	Network receiver utilizing sample management buffers with slower sampling rates during training sequence	HWANG, CHIEN-MEEN
<u>09897198</u>	<u>6441683</u>	150	07/02/2001	DEVICE AND METHOD FOR RECOVERING FREQUENCY REDUNDANT DATA IN A NETWORK COMMUNICATIONS RECEIVER	HWANG, CHIEN-MEEN
<u>10367777</u>	<u>7233612</u>	150	02/19/2003	WIRELESS COMMUNICATION DEINTERLEAVER USING MULTI-PHASE LOGIC AND CASCADED DEINTERLEAVING	HWANG, CHIEN-MEEN
<u>10367864</u>	Not Issued	71	02/19/2003	Wireless receiver deinterleaver having partitioned memory	HWANG, CHIEN-MEEN
<u>10367865</u>	<u>7251273</u>	150	02/19/2003	MINIMUM EQUALIZATION ERROR BASED CHANNEL ESTIMATOR	HWANG, CHIEN-MEEN
<u>10458285</u>	<u>7248637</u>	150	06/11/2003	VITERBI DECODER UTILIZING PARTIAL BACKTRACING	HWANG, CHIEN-MEEN
<u>10612954</u>	Not Issued	123	07/07/2003	Optimal initial gain selection for wireless receiver	HWANG, CHIEN-MEEN
<u>10633033</u>	Not Issued	41	08/04/2003	Time domain estimation of IQ imbalance in a wireless OFDM direct conversion receiver	HWANG, CHIEN-MEEN
<u>10699667</u>	<u>7184714</u>	150	11/04/2003	FREQUENCY DOMAIN ESTIMATION OF IQ IMBALANCE IN A WIRELESS OFDM DIRECT CONVERSION RECEIVER USING LOOPBACK CONNECTION	HWANG, CHIEN-MEEN
<u>10700474</u>	Not Issued	41	11/05/2003	DC offset cancellation in a direct conversion receiver configured for receiving an OFDM signal	HWANG, CHIEN-MEEN
<u>10768073</u>	<u>7274758</u>	150	02/02/2004	COARSE FREQUENCY ESTIMATION IN AN OFDM RECEIVER BASED ON AUTOCORRELATION OF ACCUMULATED SAMPLES	HWANG, CHIEN-MEEN
<u>10790205</u>	Not Issued	41	03/02/2004	Fast fourier transform circuit having partitioned memory for minimal latency during in-place computation	HWANG, CHIEN-MEEN
<u>10816876</u>	<u>7274757</u>	150	04/05/2004	AUTOCORRELATION	HWANG, CHIEN-

				THRESHOLD GENERATION BASED ON MEDIAN FILTERING FOR SYMBOL BOUNDARY DETECTION IN AN OFDM RECEIVER	MEEN
<u>10839351</u>	Not Issued	30	05/06/2004	Viterbi decoder utilizing compressed survival metrics for reduced memory size requirements	HWANG, CHIEN- MEEN
<u>60225560</u>	Not Issued	159	08/16/2000	Device and method for recovering frequency redundant data in a network communications receiver	HWANG, CHIEN- MEEN
<u>60957199</u>	Not Issued	20	08/22/2007	High Resolution Variable Gain Control	HWANG, CHIEN- MEEN
<u>60969430</u>	Not Issued	20	08/31/2007	VARIABLE GAIN AMPLIFIER	HWANG, CHIEN- MEEN

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Last Name = KUTAGULLA

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">10633033</a>	Not Issued	41	08/04/2003	Time domain estimation of IQ imbalance in a wireless OFDM direct conversion receiver	KUTAGULLA, HARISH
<a href="#">10699667</a>	<a href="#">7184714</a>	150	11/04/2003	FREQUENCY DOMAIN ESTIMATION OF IQ IMBALANCE IN A WIRELESS OFDM DIRECT CONVERSION RECEIVER USING LOOPBACK CONNECTION	KUTAGULLA, HARISH
<a href="#">10700474</a>	Not Issued	41	11/05/2003	DC offset cancellation in a direct conversion receiver configured for receiving an OFDM signal	KUTAGULLA, HARISH
<a href="#">10817811</a>	Not Issued	41	04/06/2004	OFDM receiver having adaptive channel estimator for correcting channel fading based on accumulated pseudo power values	KUTAGULLA, HARISH
<a href="#">11054220</a>	Not Issued	30	02/09/2005	Data processor adapted for efficient digital signal processing and method therefor	KUTAGULLA, HARISH
<a href="#">11086881</a>	Not Issued	41	03/22/2005	Data generation and collection from a real-time system for non-real-time software simulation	KUTAGULLA, HARISH

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